

CLAIMS

What is claimed is:

1. A method comprising:
 - 5 obtaining information about at least one part of an apparatus;
 - determining instructions for optimizing at least one operation of the apparatus based on the obtained information; and
 - 10 applying the instructions to the at least one operation of the apparatus.
- 15 2. The method as set forth in claim 1 further comprising identifying the at least one operation of the apparatus being optimized, wherein the obtaining information obtains the information from the at least one part involved in the at least one identified operation.
- 20 3. The method as set forth in claim 1 wherein the obtaining further comprises interrogating the at least one part for the information.
4. The method as set forth in claim 3 further comprising;
 - 25 determining if any other parts need to be interrogated; and
 - interrogating the other parts which are needed for the obtained information.
5. The method as set forth in claim 1 wherein the obtained information for the at least one of the part comprises at least one functional parameter of the at least one part.
- 30 6. The method as set forth in claim 1 wherein the obtained information for the at least one of the part comprises at least one algorithm of the at least one part.
7. The method as set forth in claim 1 wherein the determining further comprises:

comparing the obtained information about the at least one part against stored information about the at least one part to obtain a difference; using the difference to determine the instructions for optimizing the at least one operation of the apparatus.

5

8. A computer readable medium having stored thereon instructions for optimizing performance of a apparatus which, when executed by a processor, cause the processor to perform the steps of:

10 obtaining information about at least one part of an apparatus; determining instructions for optimizing at least one operation of the apparatus based on the obtained information; and applying the instructions to the at least one operation of the apparatus.

15

9. The medium as set forth in claim 8 further comprising identifying the at least one operation of the apparatus being optimized, wherein the obtaining information obtains the information from the at least one part involved in the at least one identified operation.

20

10. The medium as set forth in claim 8 wherein the obtaining further comprises interrogating the at least one part for the information.

25

11. The medium as set forth in claim 10 further comprising; determining if any other parts need to be interrogated; and interrogating the other parts which are needed for the obtained information.

30

12. The medium as set forth in claim 8 wherein the obtained information for the at least one of the part comprises at least one functional parameter of the at least one part.

13. The medium as set forth in claim 8 wherein the obtained information for the at least one of the part comprises at least one algorithm of the at least one part.

5 14. The medium as set forth in claim 8 wherein the determining further comprises:

comparing the obtained information about the at least one part against stored information about the at least one part to obtain a difference;
using the difference to determine the instructions for
10 optimizing the at least one operation of the apparatus.

15. An apparatus comprising;
one or more parts;
an information component for at least one of the part, the
15 information component having data about the at least one part; and
an optimization processing system that determines
instructions for optimizing at least one operation of the apparatus based on the
data and applies the instructions to the at least one operation of the apparatus to
optimize the performance.

20 16. The apparatus as set forth in claim 15 further comprising an identification system that identifies the at least one operation of the apparatus being optimized.

25 17. The apparatus as set forth in claim 15 further comprising an interrogation system that interrogates the at least one part for the data.

18. The apparatus as set forth in claim 17 further comprising a
parts determination system that determines if any other parts need to be
30 interrogated to optimize the at least one operation.

19. The apparatus as set forth in claim 15 wherein the data in
the information component for at least one of the parts comprises at least one
functional parameter of the part.

5 20. The apparatus as set forth in claim 15 wherein the data in
the information component for at least one of the parts comprises at least one
algorithm of the part.

10 21. The apparatus as set forth in claim 15 wherein the
optimization processing system compares the obtained information about the at
least one part against stored information about the at least one part to obtain a
difference and uses the difference to determine the instructions for optimizing the
at least one operation of the apparatus.